

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-218506

(43)Date of publication of application : 19.08.1997

(51)Int.Cl.

G03F 7/00
B41N 1/14
G03F 7/027
G03F 7/30

(21)Application number : 08-027082

(71)Applicant : TORAY IND INC

(22)Date of filing : 14.02.1996

(72)Inventor : ISONO MASANAO
TABATA KENICHI
IKEDA NORIMASA

(54) PHOTOSENSITIVE PLANOGRAPHIC PRINTING MASTER PLATE AND PRODUCTION OF PLANOGRAPHIC PRINTING PLATE

(57)Abstract:

PROBLEM TO BE SOLVED: To increase the controllable range of a dampening water for a photosensitive planographic printing master plate having a photosensitive hydrophilic swellable layer on a substrate and to make the dampening water free from isopropanol(IPA) by incorporating an ethylenically unsatd. compd. having basic groups into the hydrophilic swellable layer.

SOLUTION: The hydrophilic swellable layer is photosensitive and contains an ethylene type unsatd. compd. having basic groups as a photosensitive compd. The ethylenically unsatd. compd. having basic groups consists of photopolymerizable monomers or oligomers having primary to quaternary amino groups, pyridine rings, piperidine rings, quaternary salts, etc. As for the ethylenically unsatd. compd., a vinyl monomer having at least one vinyl groups can be used. For example, dimethylamino methyl (meth)acrylate can be used. The ethylenically unsatd. compd. having basic groups is added to the compsn. for the hydrophilic swellable layer when the layer is formed, so that the ethylenically unsatd. compd. is present in the layer.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application]

[converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office